

$$\#1 \quad f(t) = 700 + t + 3e^{-t}$$

↳ $t=0$ 일 $t=1$ 일 % 변화량은

$$\textcircled{1} \quad f'(0) \times 100\% = f'(t) \Big|_{t=0} \times 100\%$$

$$= [-3e^{-t}]_{t=0} \times 100\%$$

$$= -200\%$$

$$\textcircled{2} \quad f'(1) \times 100\% = f'(t) \Big|_{t=1} \times 100\%$$

$$= [1 - 3e^{-t}]_{t=1} \times 100\%$$

$$= \left(1 - \frac{3}{e}\right) 100\%$$

Q.E.D.

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